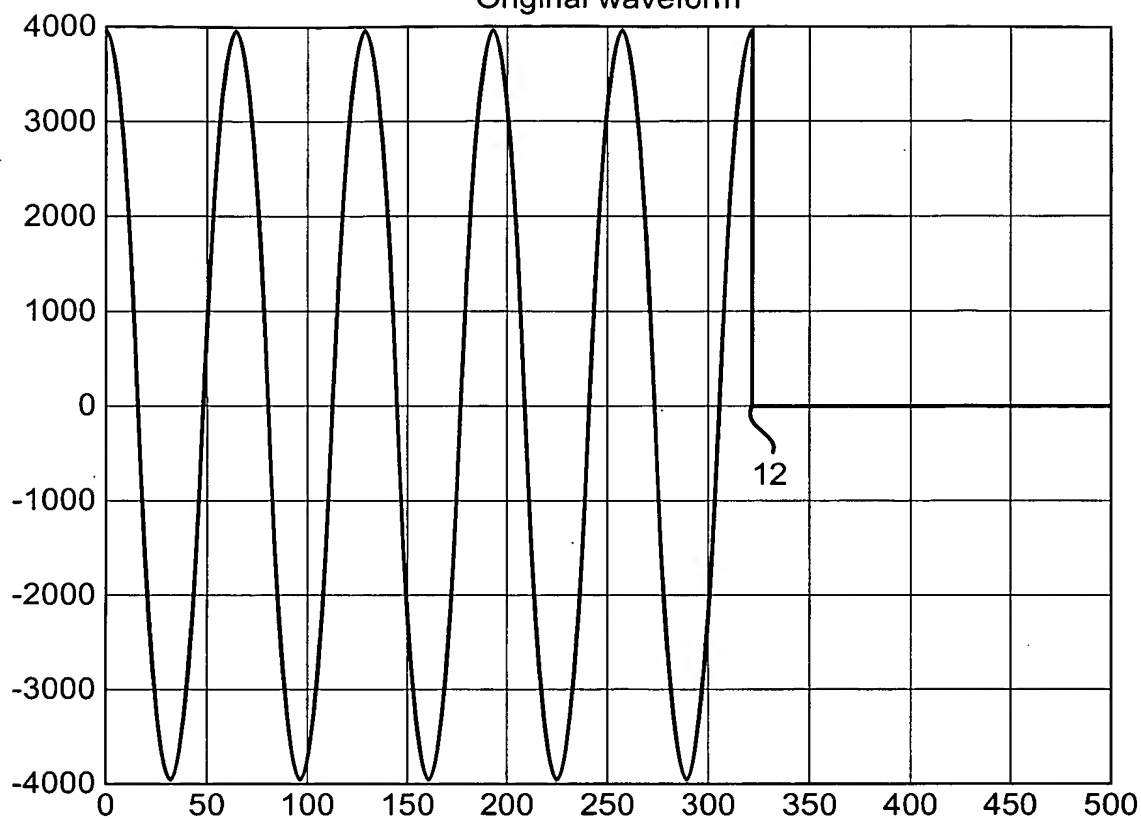




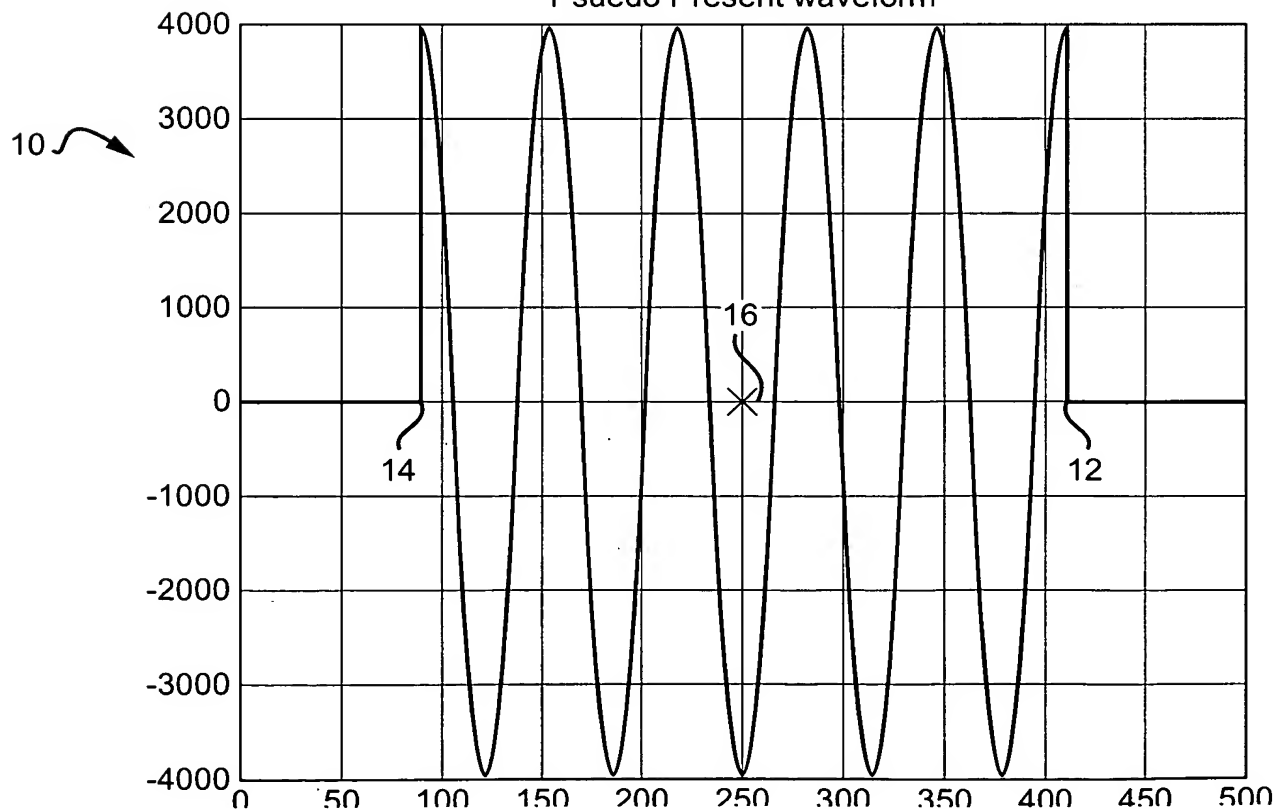
1/25  
Original waveform

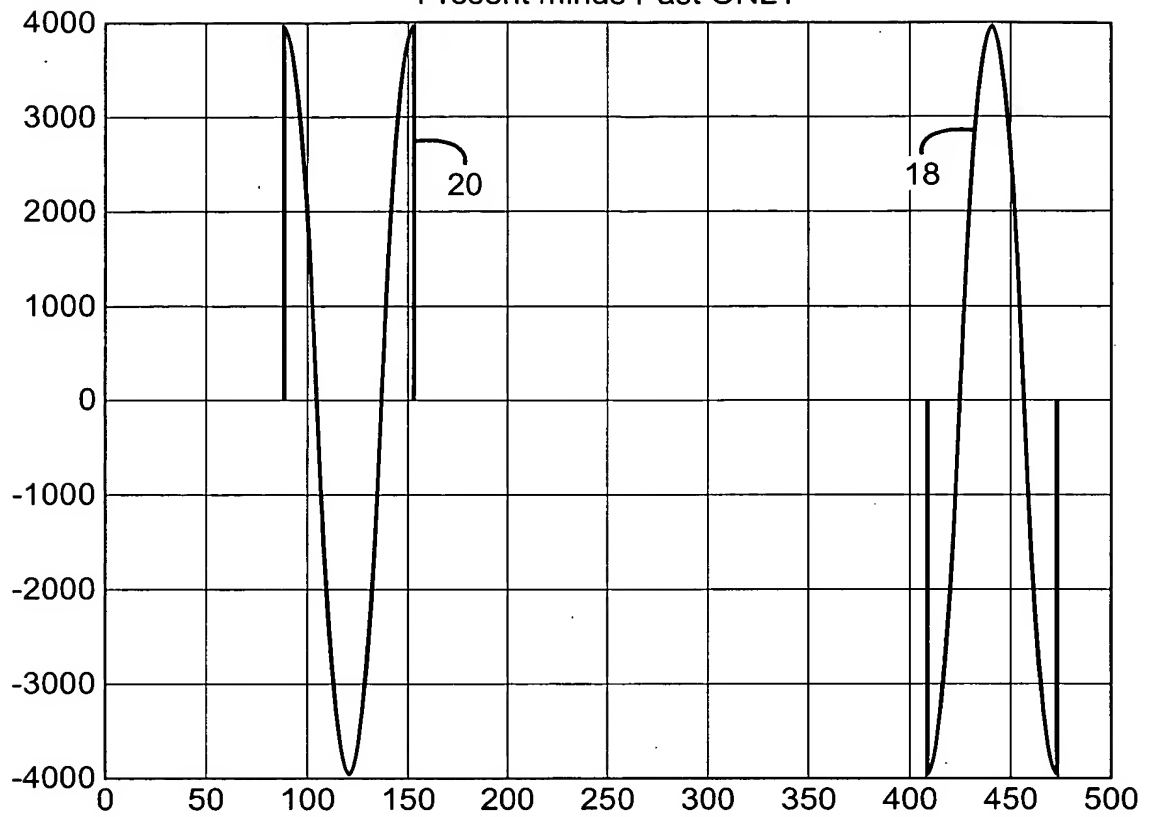


**FIG. 1**

**FIG. 2**

Pseudo Present waveform

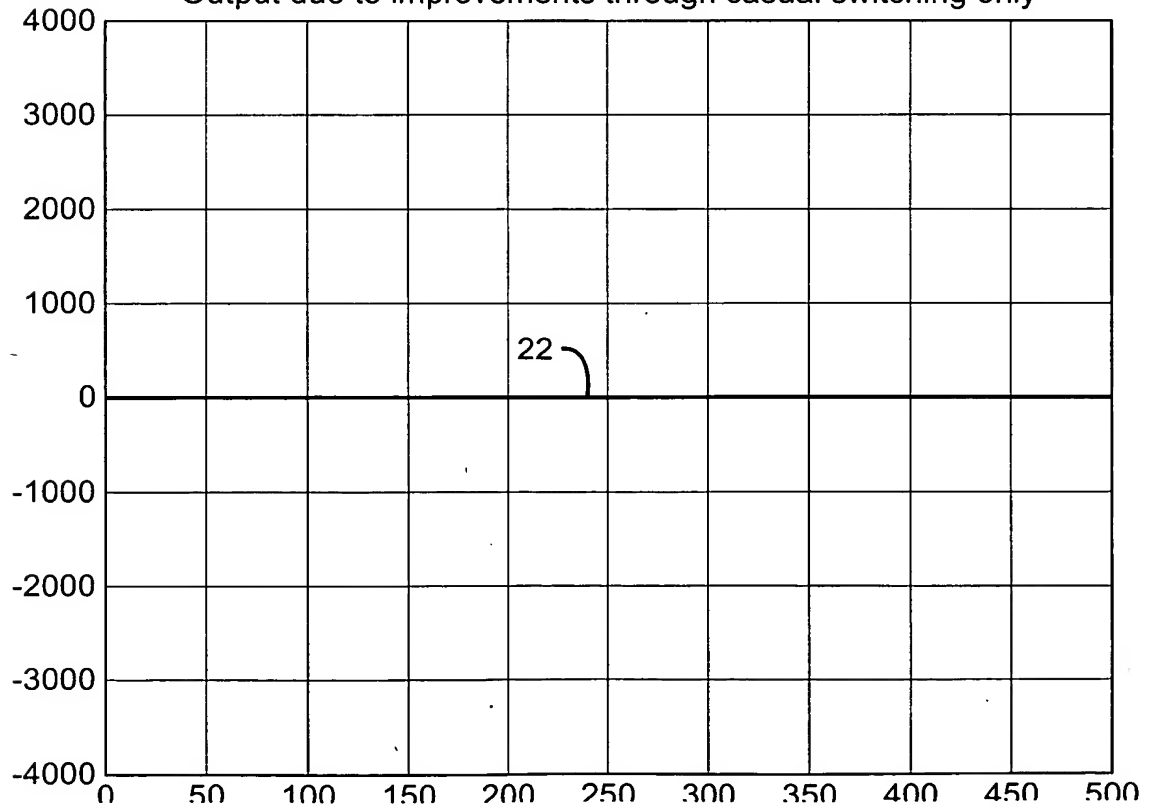




**FIG. 3**

**FIG. 4**

Output due to improvements through casual switching only



Original waveform

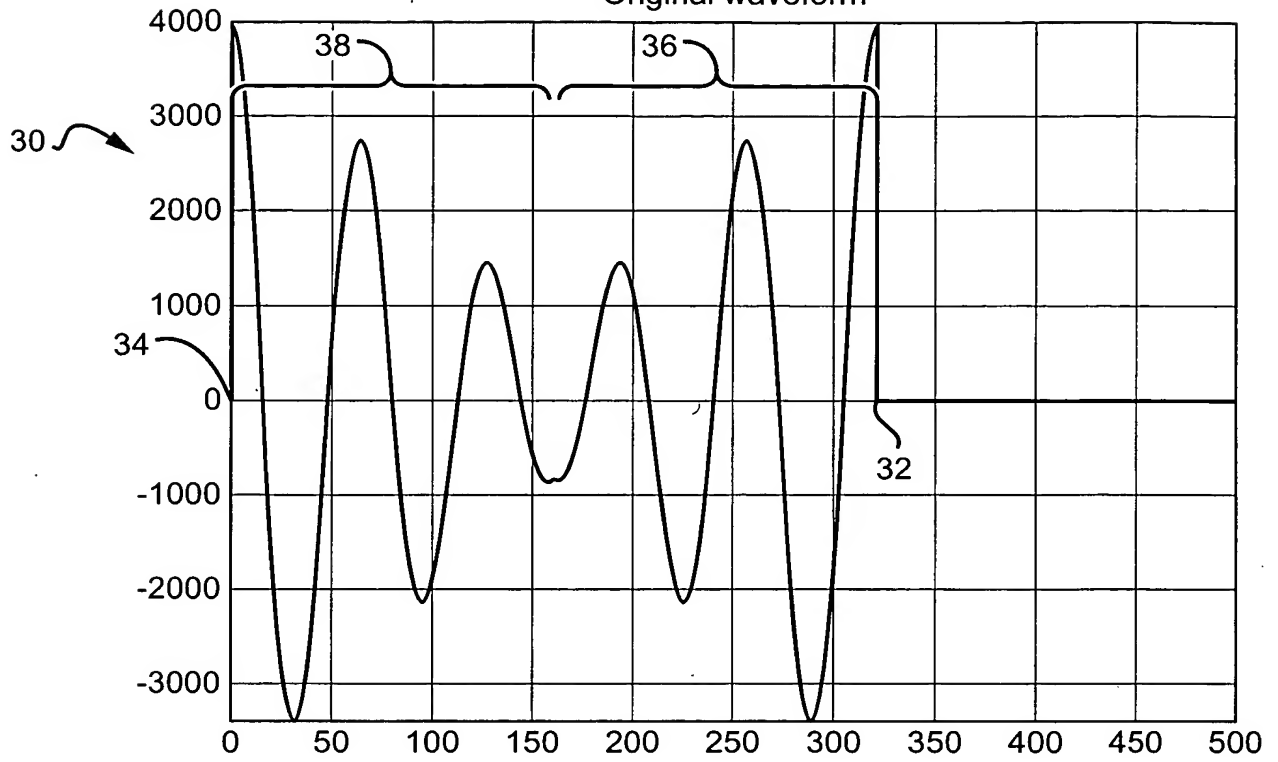
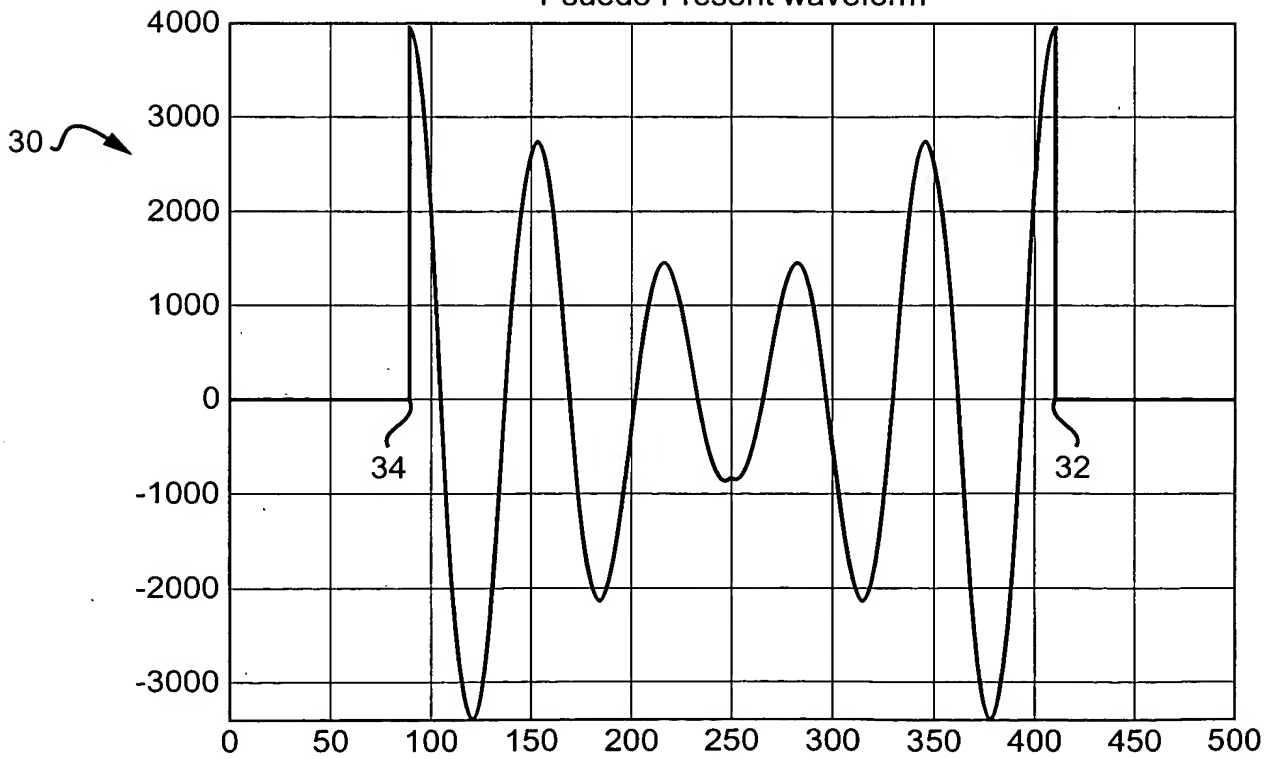


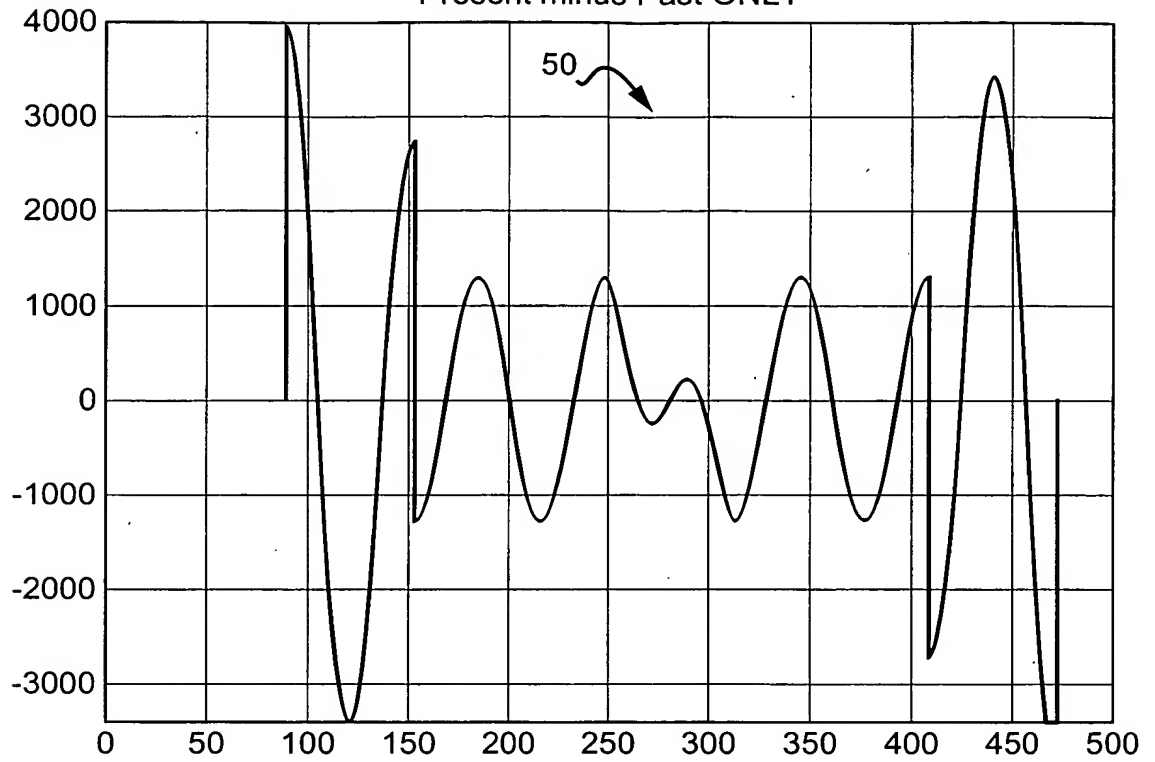
FIG. 5

FIG. 6

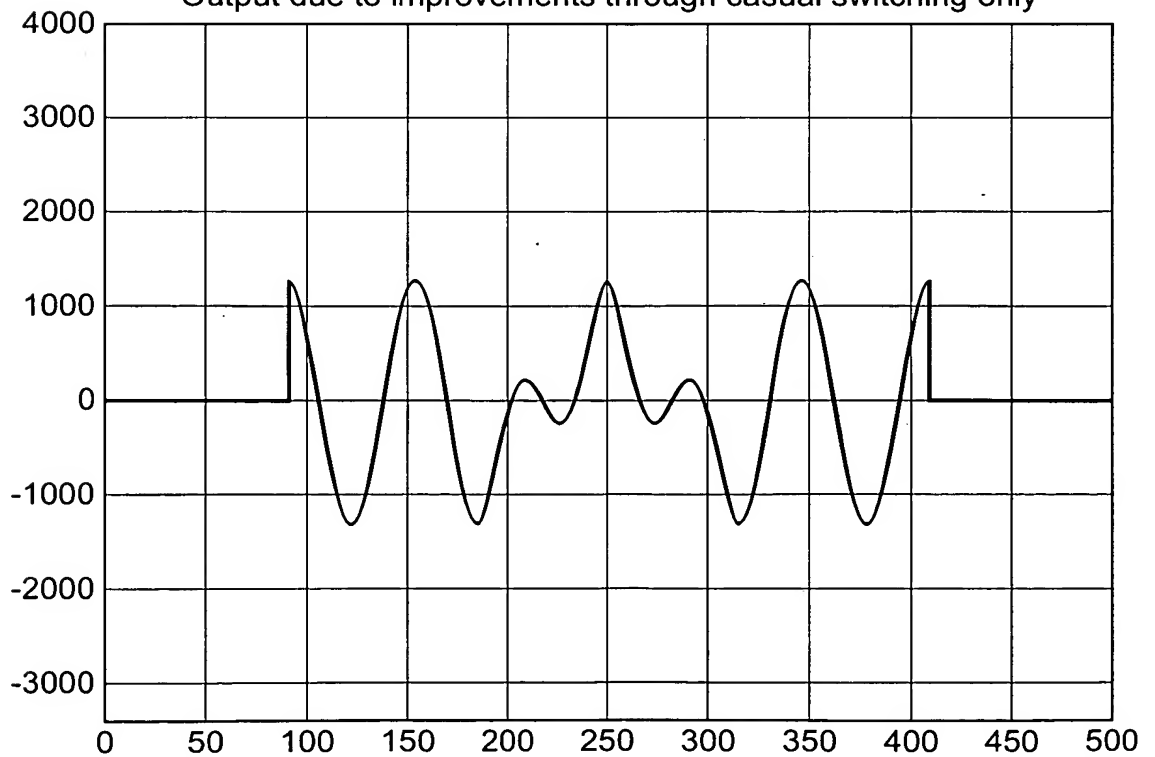
Pseudo Present waveform



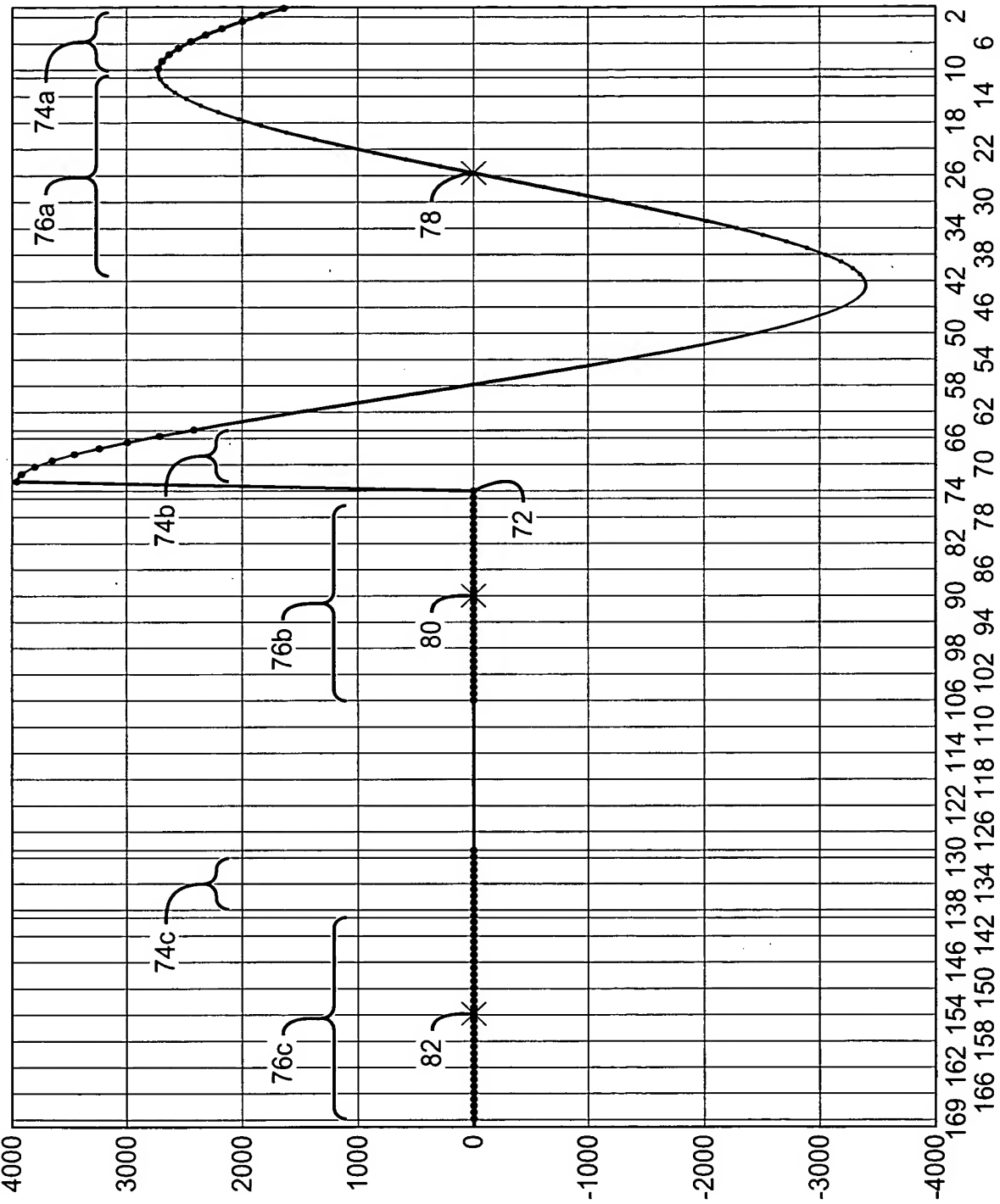
Present minus Past ONLY

**FIG. 7****FIG. 8**

Output due to improvements through casual switching only



Points Processed = 73 PtCntSwitch = 17 CasualSwitchEnabled PastPoint = 0 PresentPoint = 0 FuturePoint = 0



DPM adjusted data = 0 DPMFactor = 1 DPM Status = DPM Inht Low Amp DPM Num = 0 DPM Den = 0

FIG. 9

Points Processed = 78 PtCntSwitch = 12 CasualSwitchLockedOut PastPoint = 0 PresentPoint = 0 FuturePoint = 1395

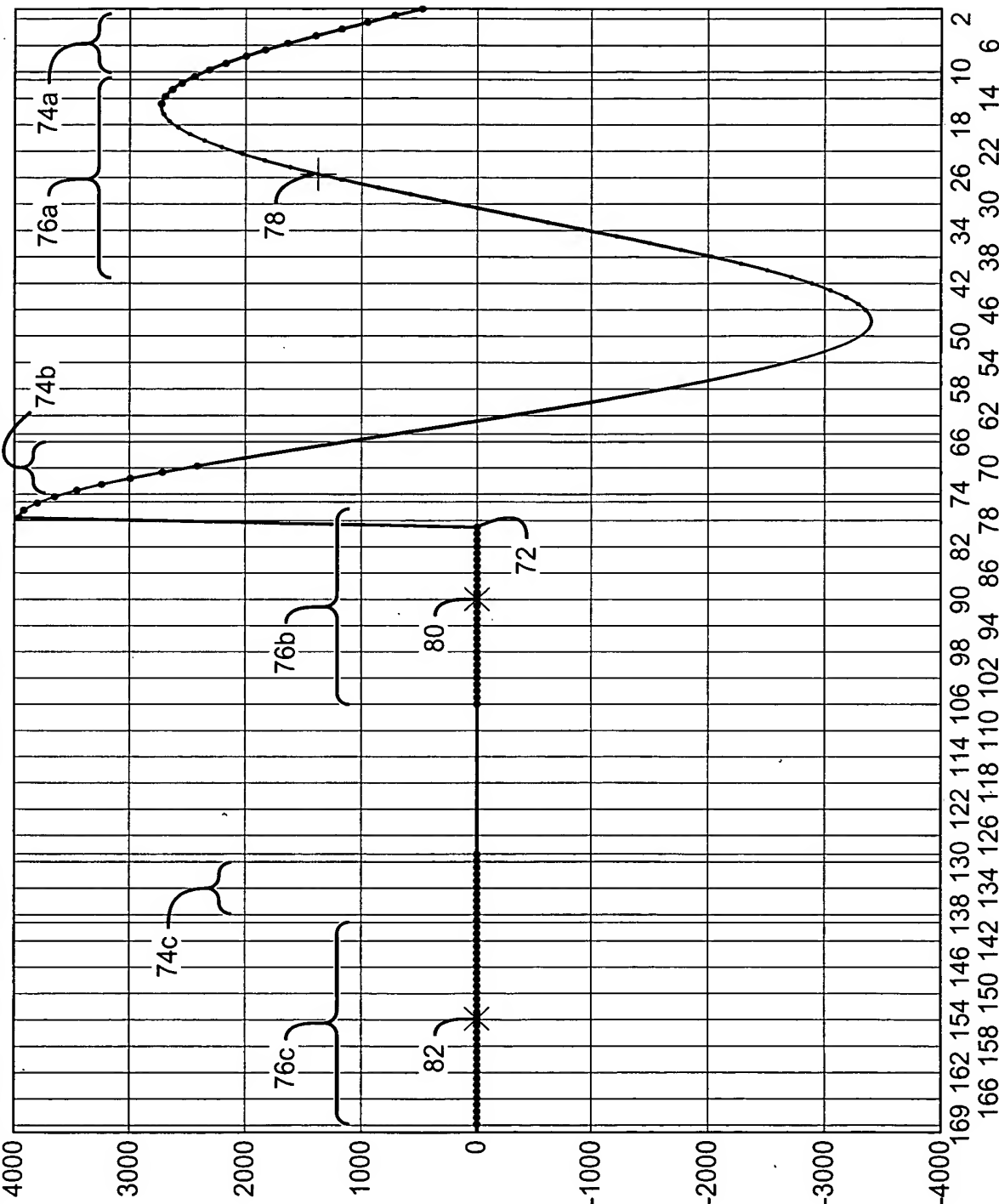


FIG. 10

DPM adjusted data = 0 DPMFactor = 1 DPM Status = Num (Prsnt) frozen from c switch DPM Inht Low Amp  
DPM Num = 0 DPM Den = 0

Points Processed = 89 PtCntSwitch = 1 CasualSwitchLockedOut PastPoint = 0 PresentPoint = 0 FuturePoint = 2740

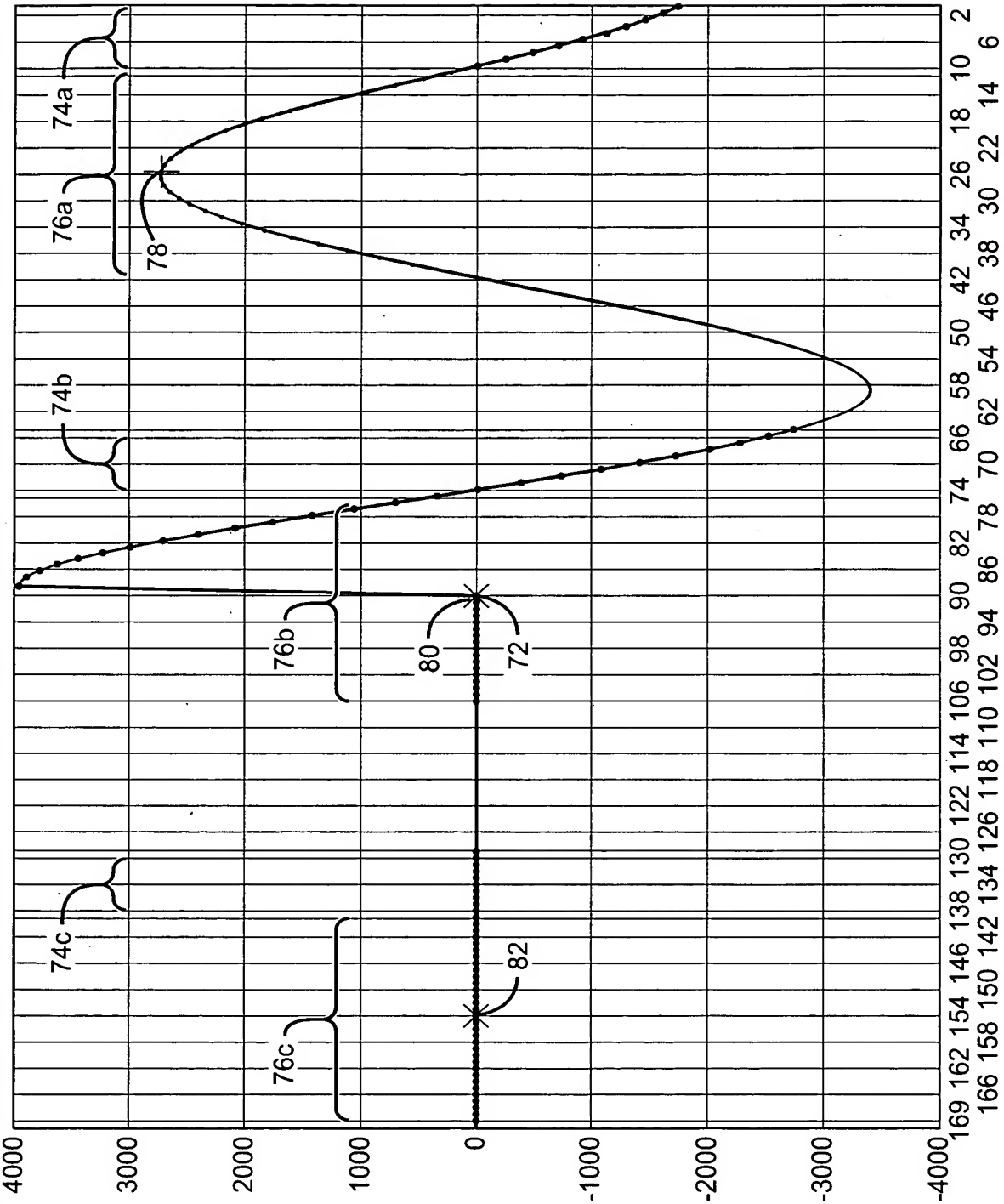


FIG. 11

DPM adjusted data = 0 DPMFactor = 1 DPM Status = Num (Prsnt) frozen from c switch DPM Inhibit Low Amp  
DPM Num = 0 DPM Den = 0

Points Processed = 90 PtCntSwitch = 0 CasualSwitchLockedOut PastPoint = 0 PresentPoint = 3980 FuturePoint = 2706

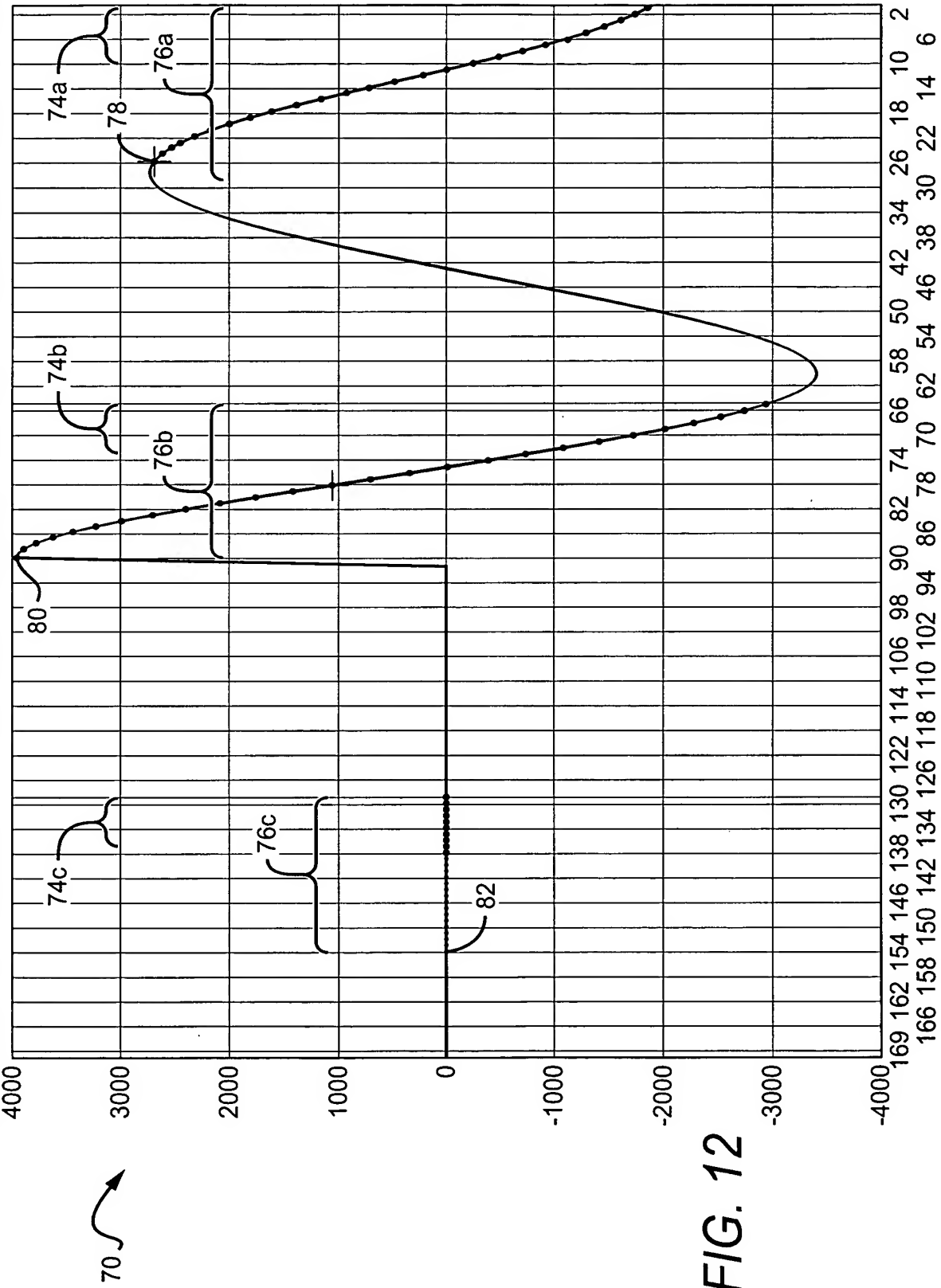


FIG. 12

DPM adjusted data = 4089 DPMFactor = 1.5113 DPM Status = DPM span & center adjusting  
DPM Num = 55309 DPM Den = 36598



Points Processed = 93 PtCntSwitch = -3 CasualSwitchLockedOut PastPoint = 0 PresentPoint = 3640 FuturePoint = 2457

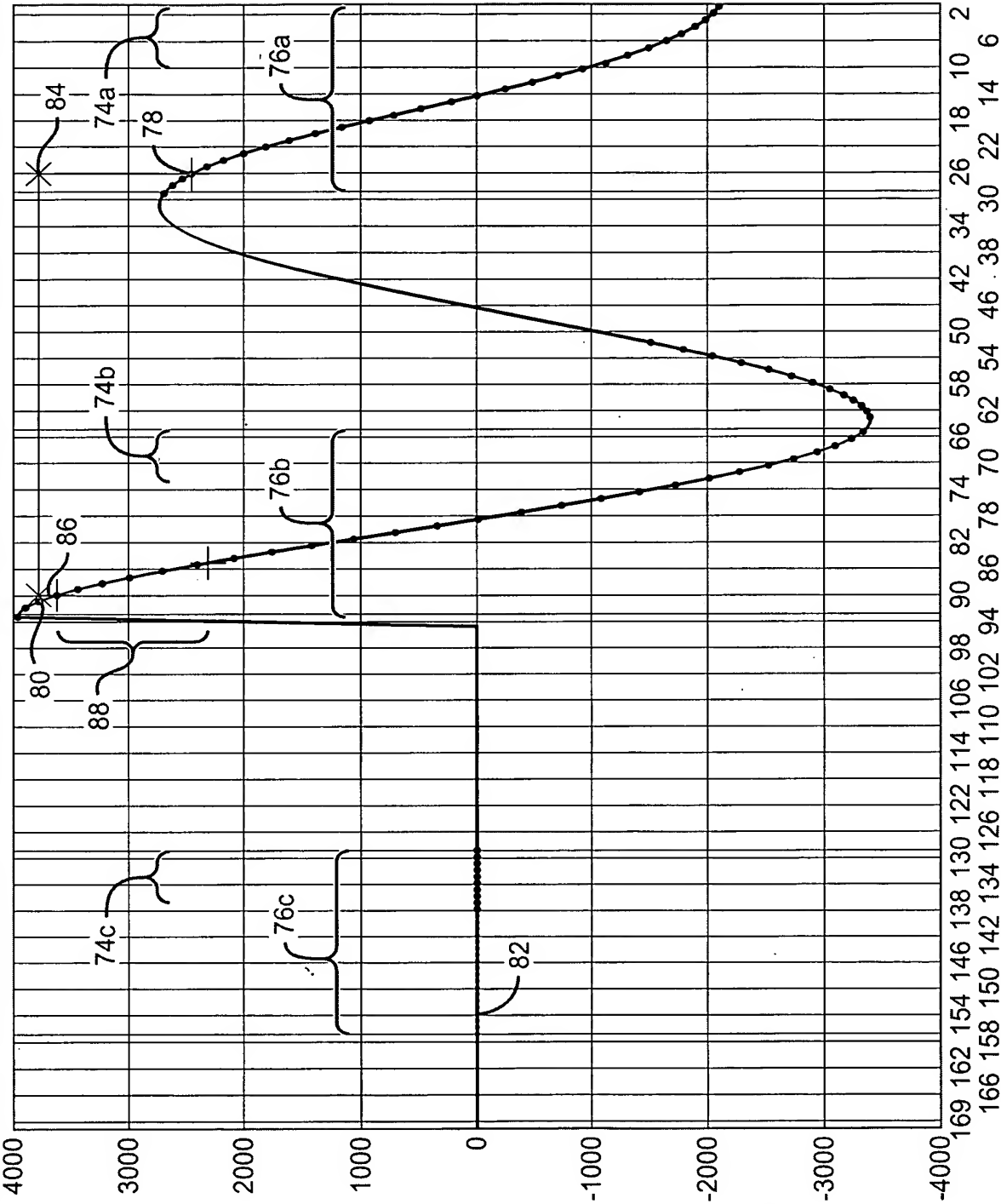


FIG. 13

DPM adjusted data = 2740 DPMFactor = 1.522 DPM Status = DPM span & center adjusting  
DPM Num = 64865 DPM Den = 42618

Points Processed = 97 PtCntSwitch = -7 CasualSwitchLockedOut PastPoint = 0 PresentPoint = 2729 FuturePoint = 1824

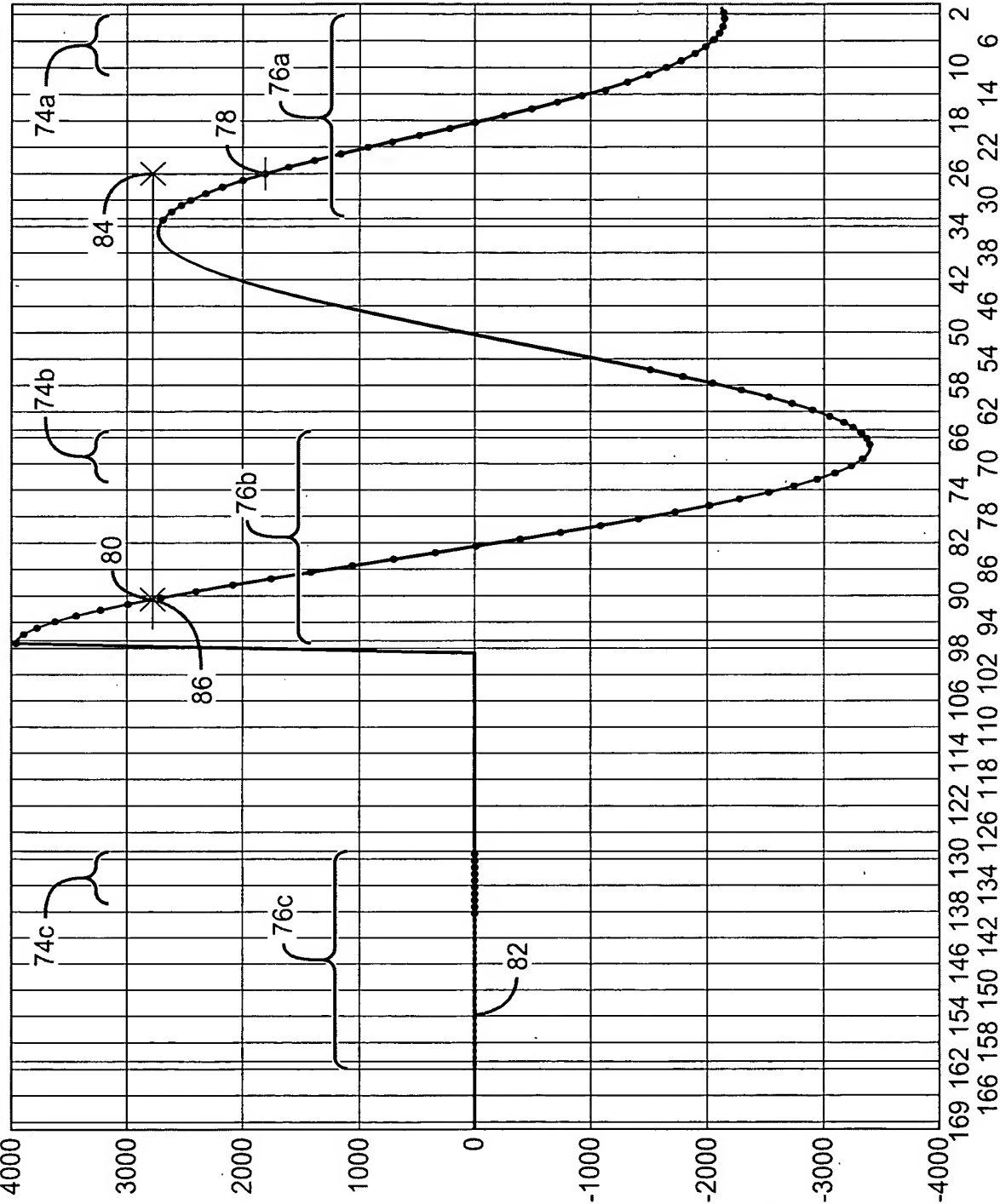


FIG. 14

DPM adjusted data = 2795 DPMFactor = 1.5326 DPM Status = DPM span & center adjusting  
DPM Num = 74982 DPM Den = 48925

Points Processed = 106 PtCntSwitch = 17 CasualSwitchEnabled PastPoint = 0 PresentPoint = -360 FuturePoint = -235

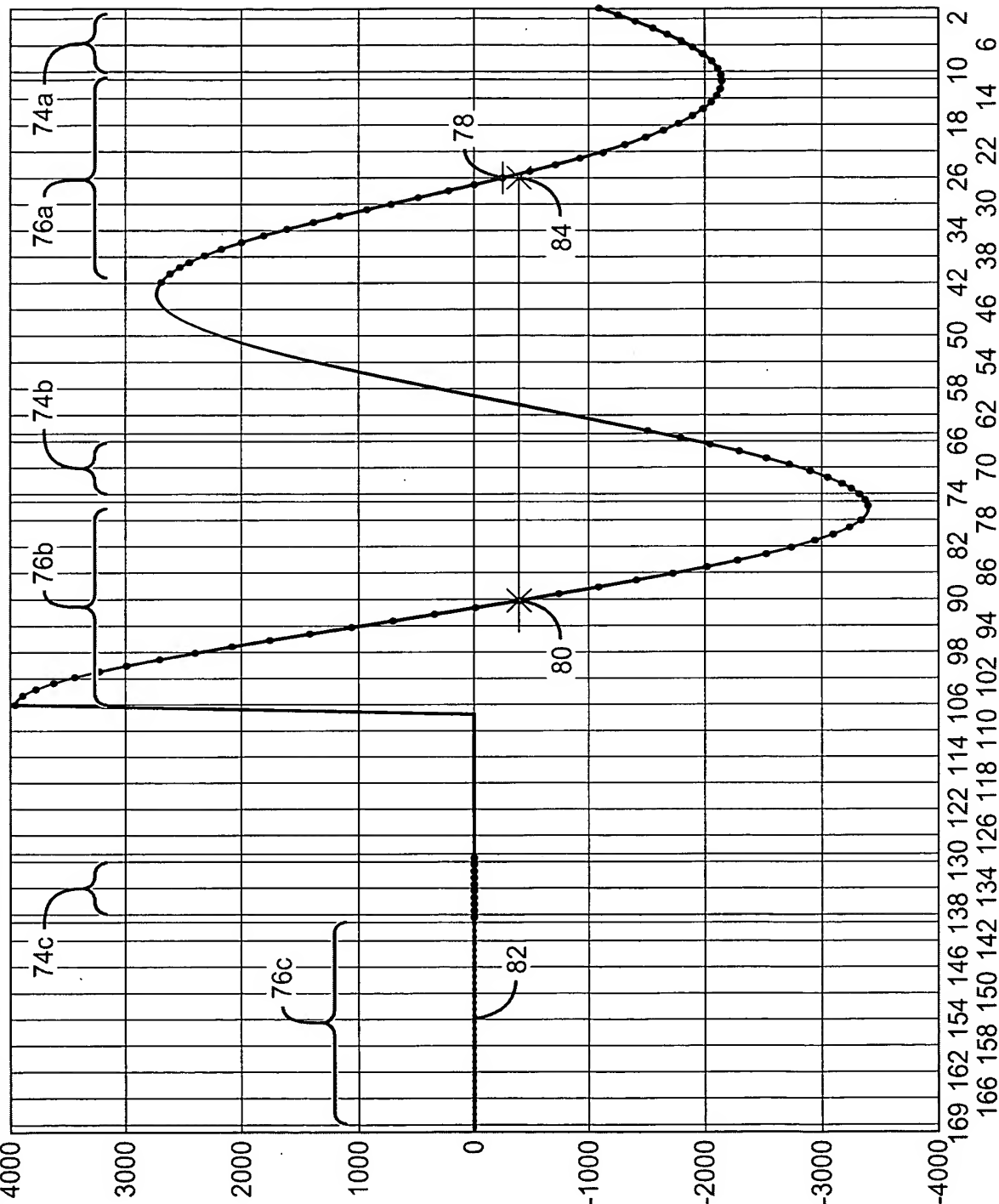


FIG. 15

DPM adjusted data = -361 DPMFactor = 1.5326 DPM Status = Normal DPM Num = 74982 DPM Den = 48925

Points Processed = 171 PtCntSwitch = 17 CasualSwitchEnabled PastPoint = -714 PresentPoint = -464 FuturePoint = -214

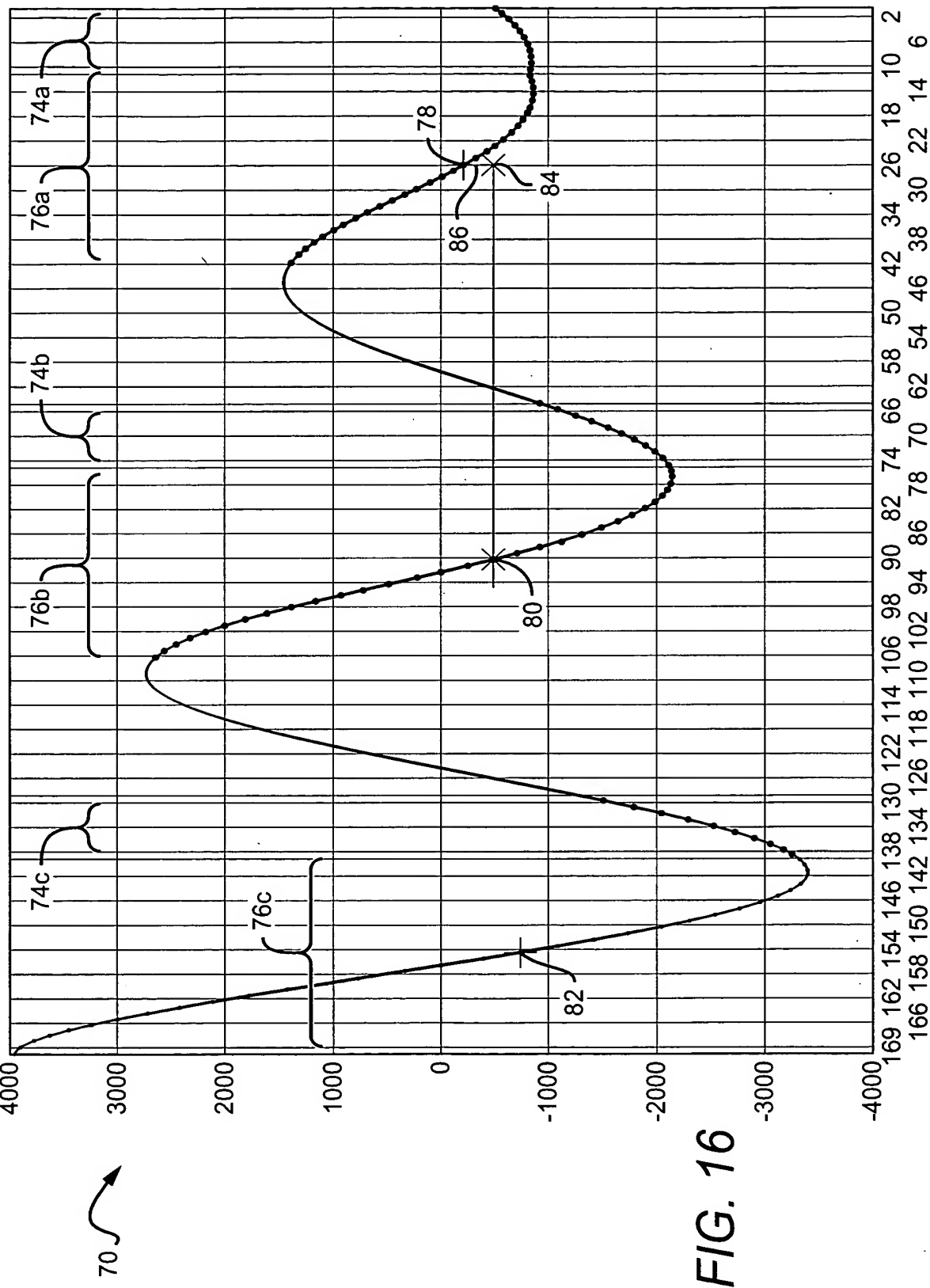
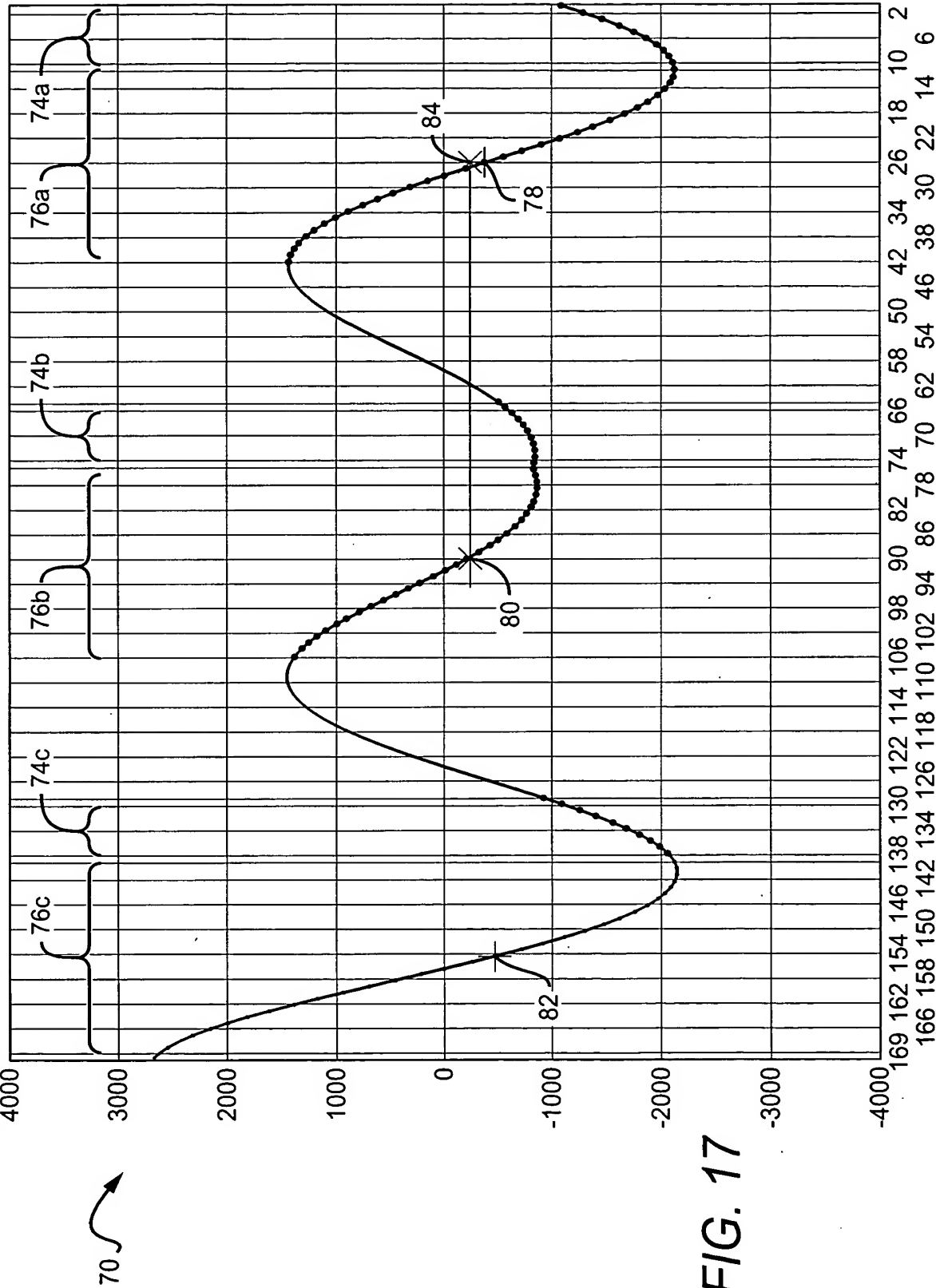


FIG. 16

DPM adjusted data = -465 DPMFactor = 2.1699 DPM Status = Normal DPM Num = 48288 DPM Den = 22254

Points Processed = 235 PtCntSwitch = 15 CasualSwitchLockedOut PastPoint = -464 PresentPoint = -214 FuturePoint = -351



DPM adjusted data = -217 DPMFactor = 0.61591 DPM Status = Den (Future) frozen from c switch  
DPM Num = 22254 DPM Den = 36132

Points Processed = 249 PtCntSwitch = 1 CasualSwitchLockedOut PastPoint = -2100 PresentPoint = -820 FuturePoint = -2080

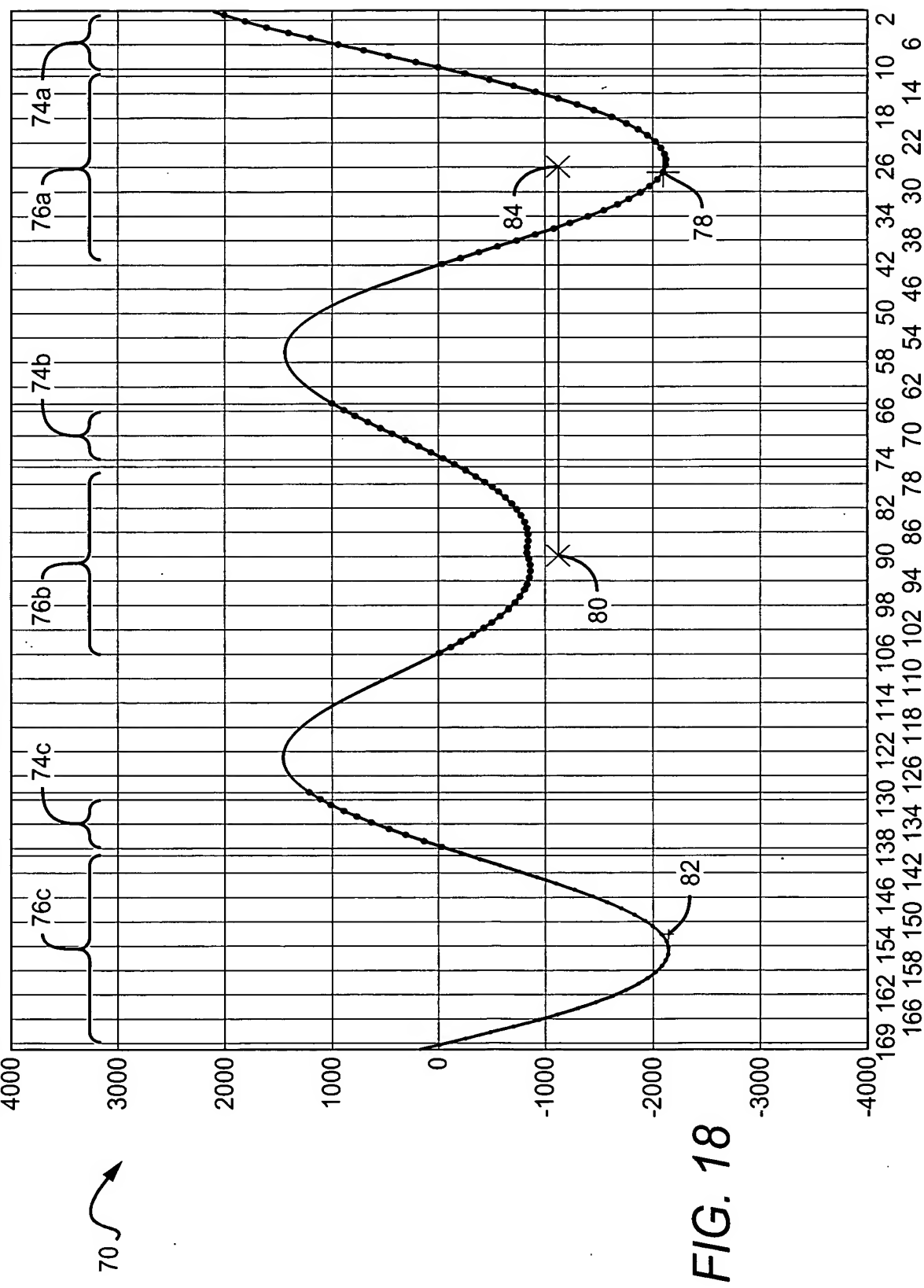


FIG. 18

DPM adjusted data = -1085 DPMFactor = 0.52142 DPM Status = Den (Future) frozen from c switch  
DPM Num = 18840 DPM Den = 36132

Points Processed = 250 PtCntSwitch = 0 CasualSwitchLockedOut PastPoint = -2069 PresentPoint = -816 FuturePoint = -2089

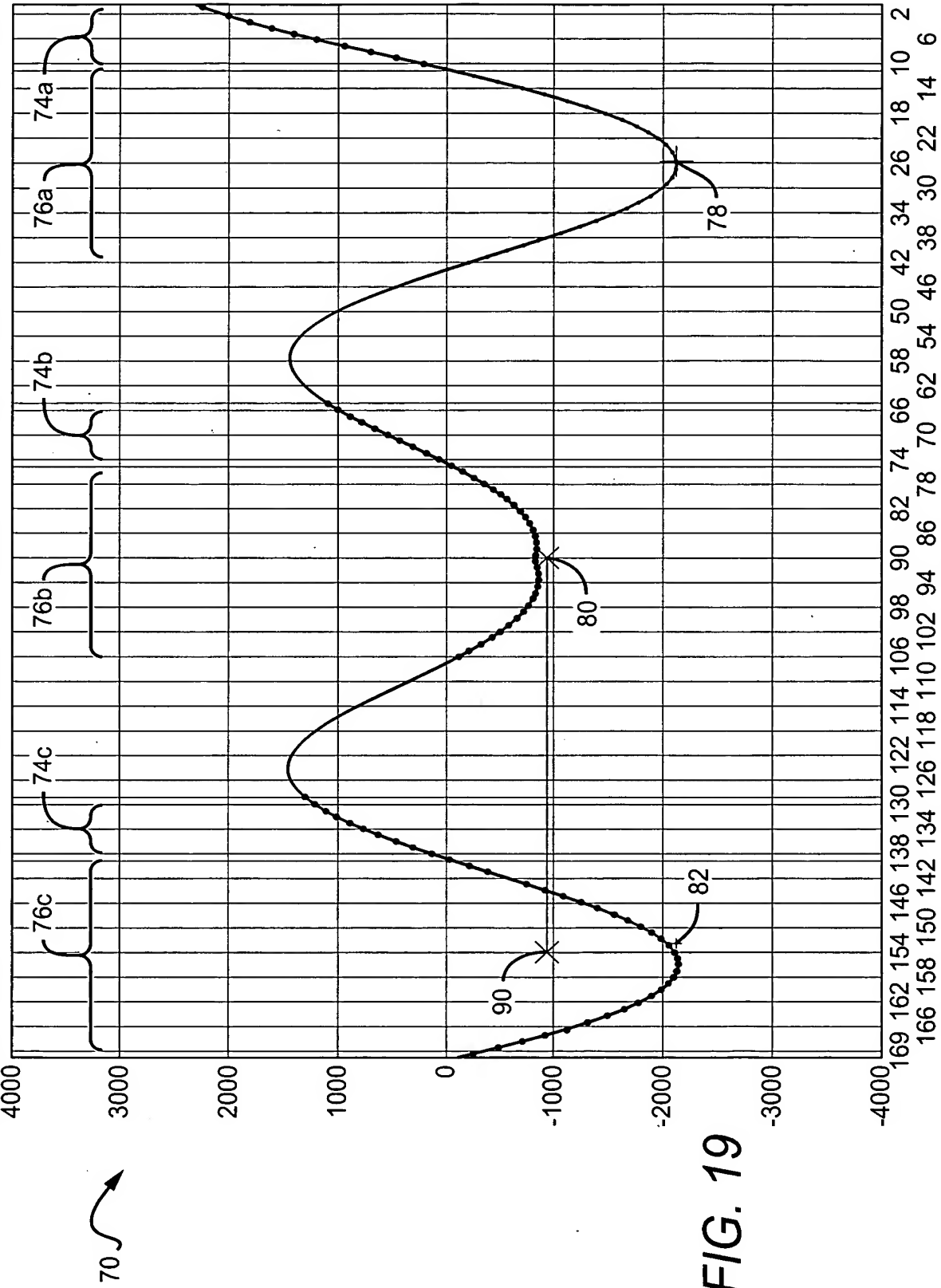
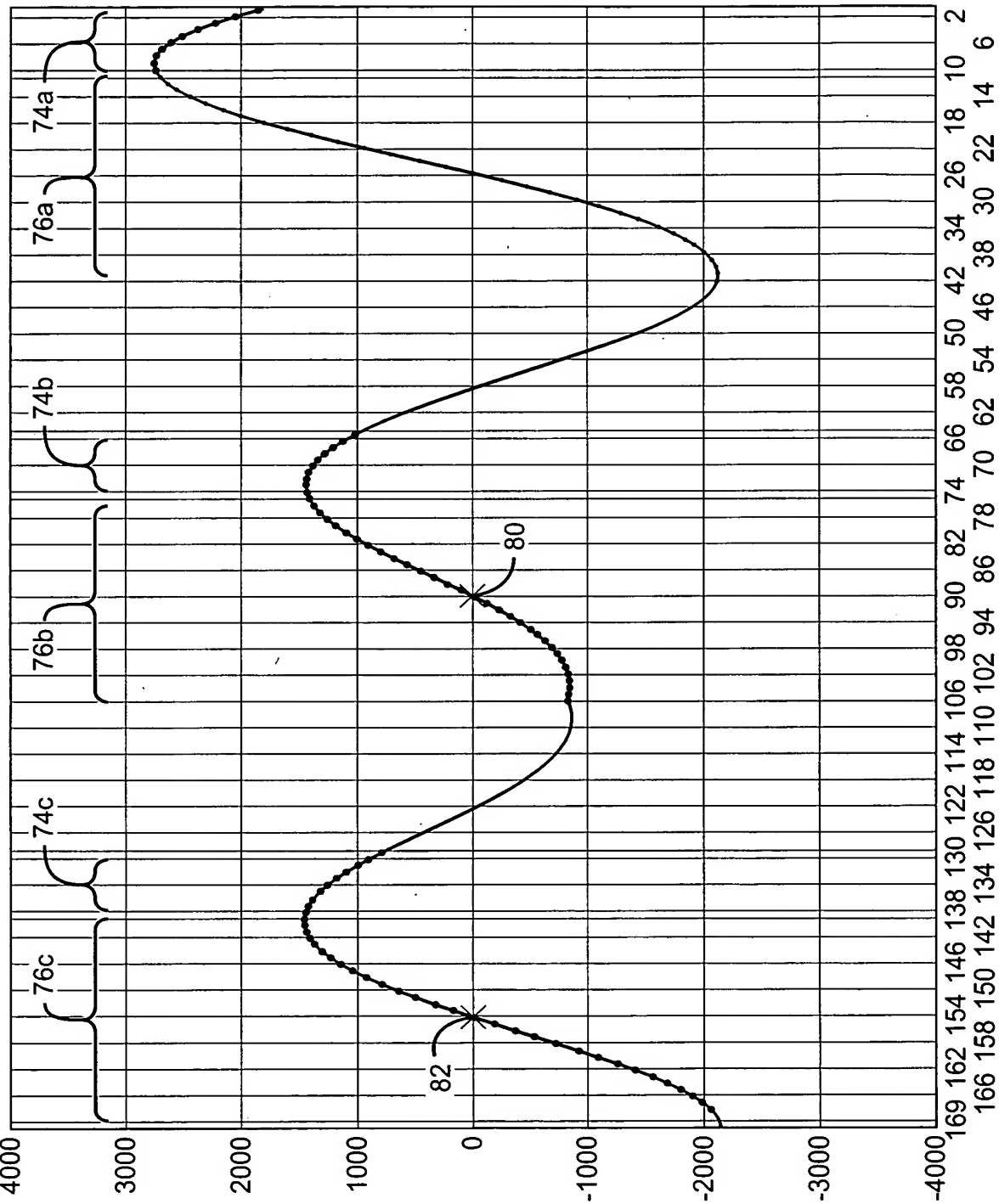


FIG. 19

DPM adjusted data = -913 DPMFactor = 0.44088 DPM Status = Normal DPM Num = 18840 DPM Den = 42733

Points Processed = 265 PtCntSwitch = -15 CasualSwitchLockedOut PastPoint = 0 PresentPoint = 0 FuturePoint = 0



DPM adjusted data = -1 DPMFactor = 0.61528 DPM Status = Normal DPM Num = 22481 DPM Den = 36538

FIG. 20



Points Processed = 266 PtCntSwitch = 17 CasualSwitchEnabled PastPoint = 172 PresentPoint = 111 FuturePoint = 237

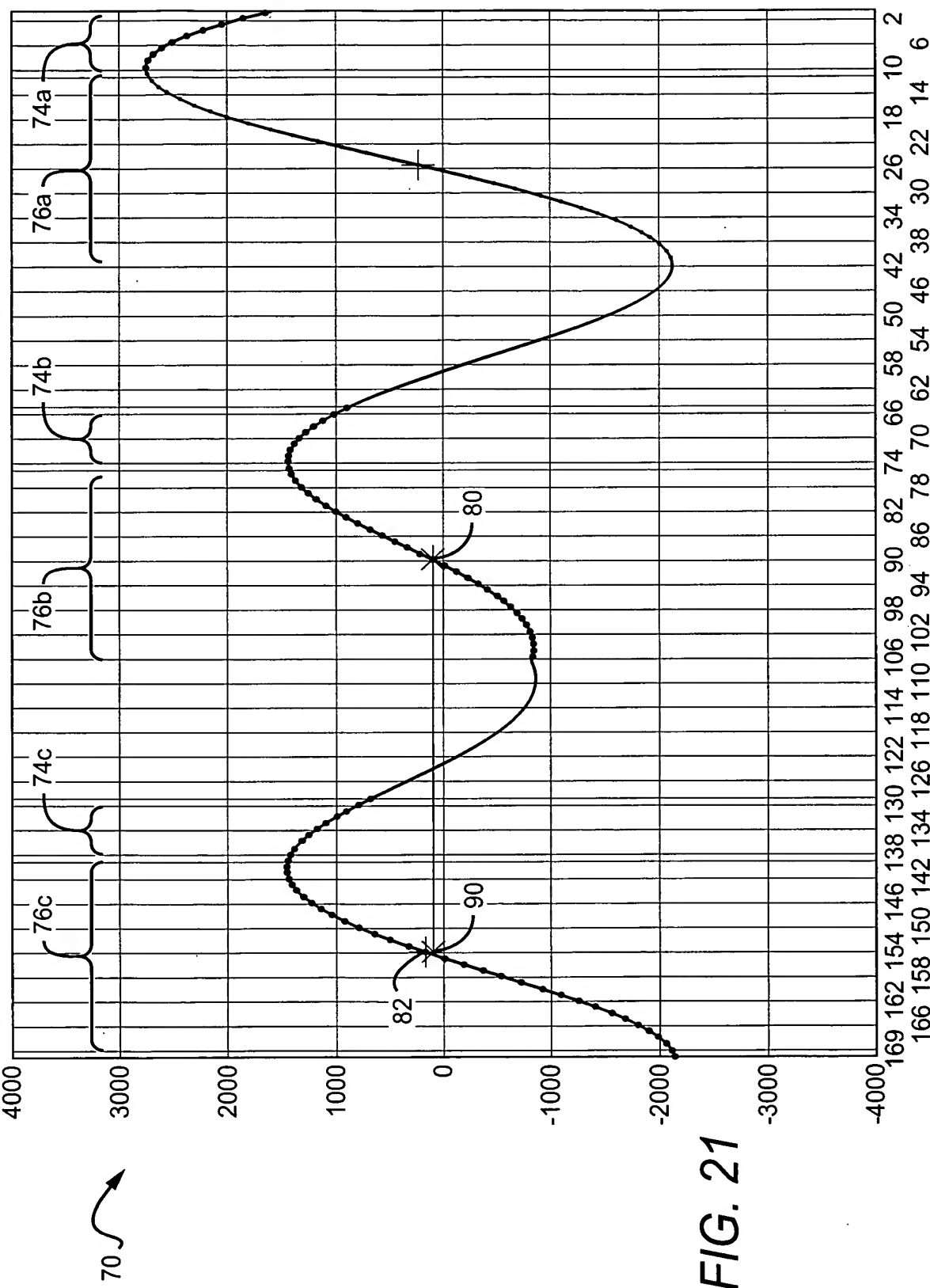


FIG. 21

DPM adjusted data = 111 DPMFactor = 0.64352 DPM Status = Normal DPM Num = 23101 DPM Den = 35898

Points Processed = 336 PtCntSwitch = 17 CasualSwitchEnabled PastPoint = 799 PresentPoint = 1611 FuturePoint = 2423

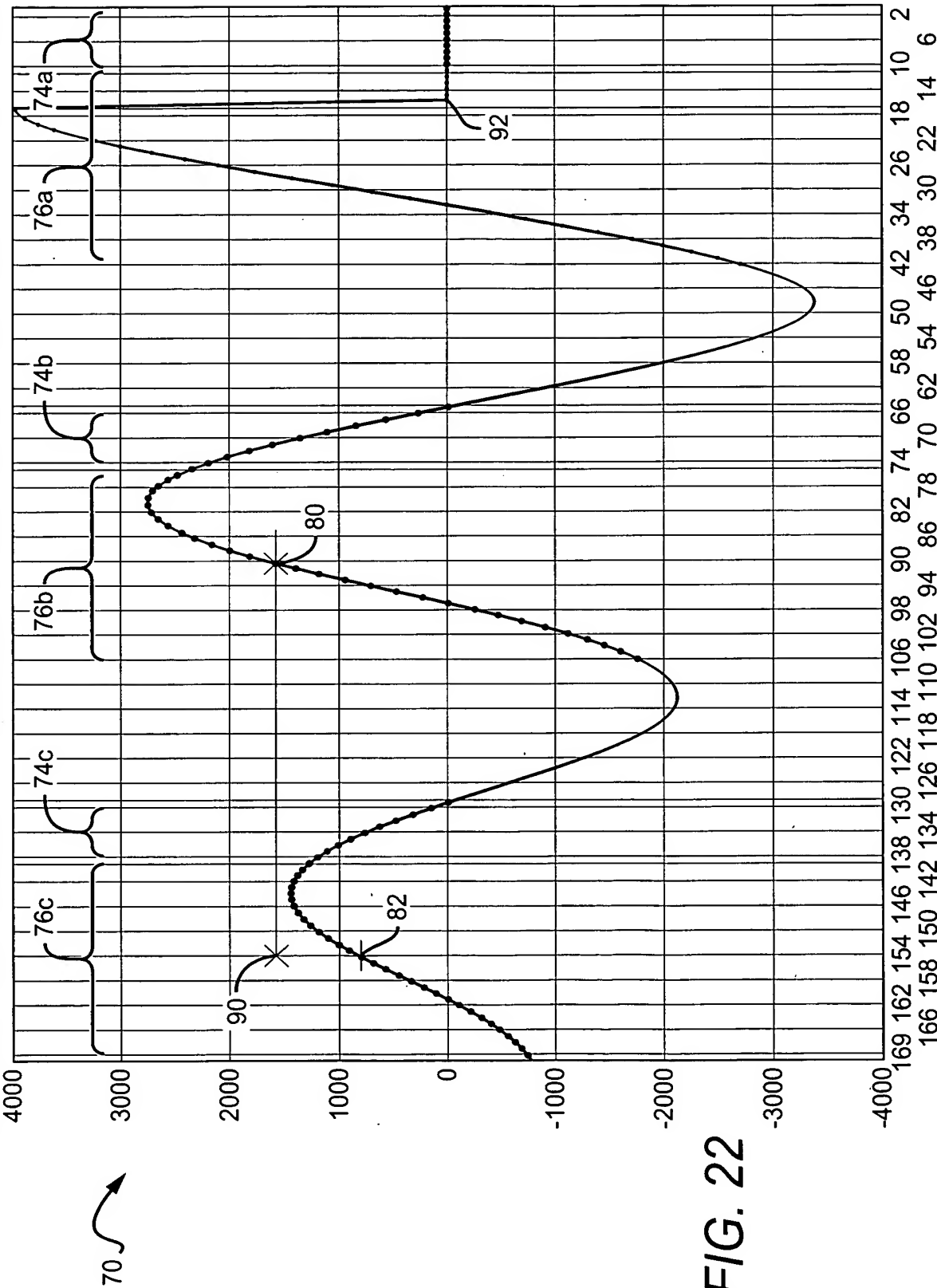
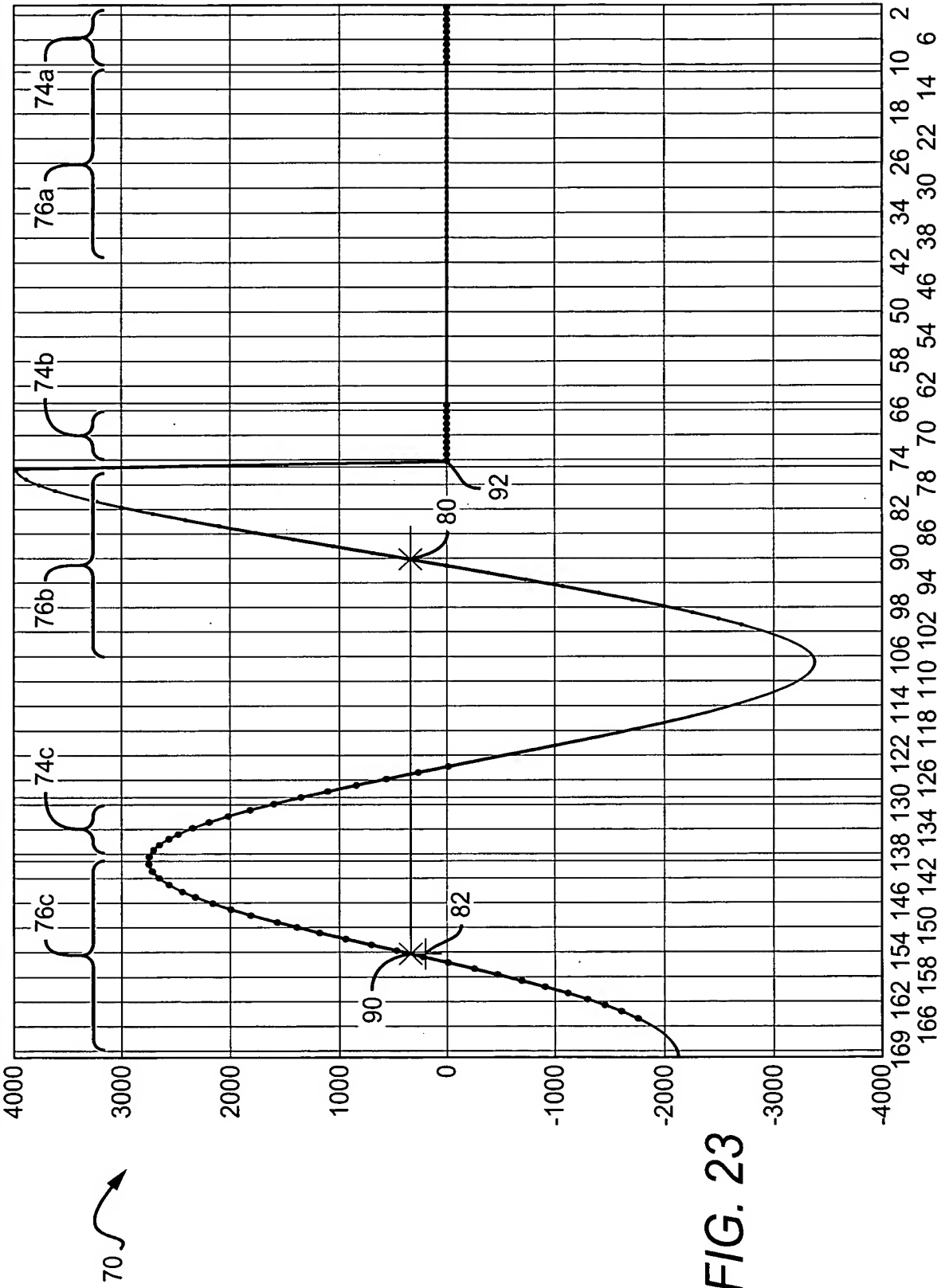


FIG. 22

DPM adjusted data = 1580 DPMFactor = 1.9772 DPM Status = Normal DPM Num = 52725 DPM Den = 26667

Points Processed = 394 PtCntSwitch = 16 CasualSwitchLockedOut PastPoint = 237 PresentPoint = 362 FuturePoint = 0



Points Processed = 408 PtCntSwitch = 2 CasualSwitchLockedOut PastPoint = 2686 PresentPoint = 3960 FuturePoint = 0

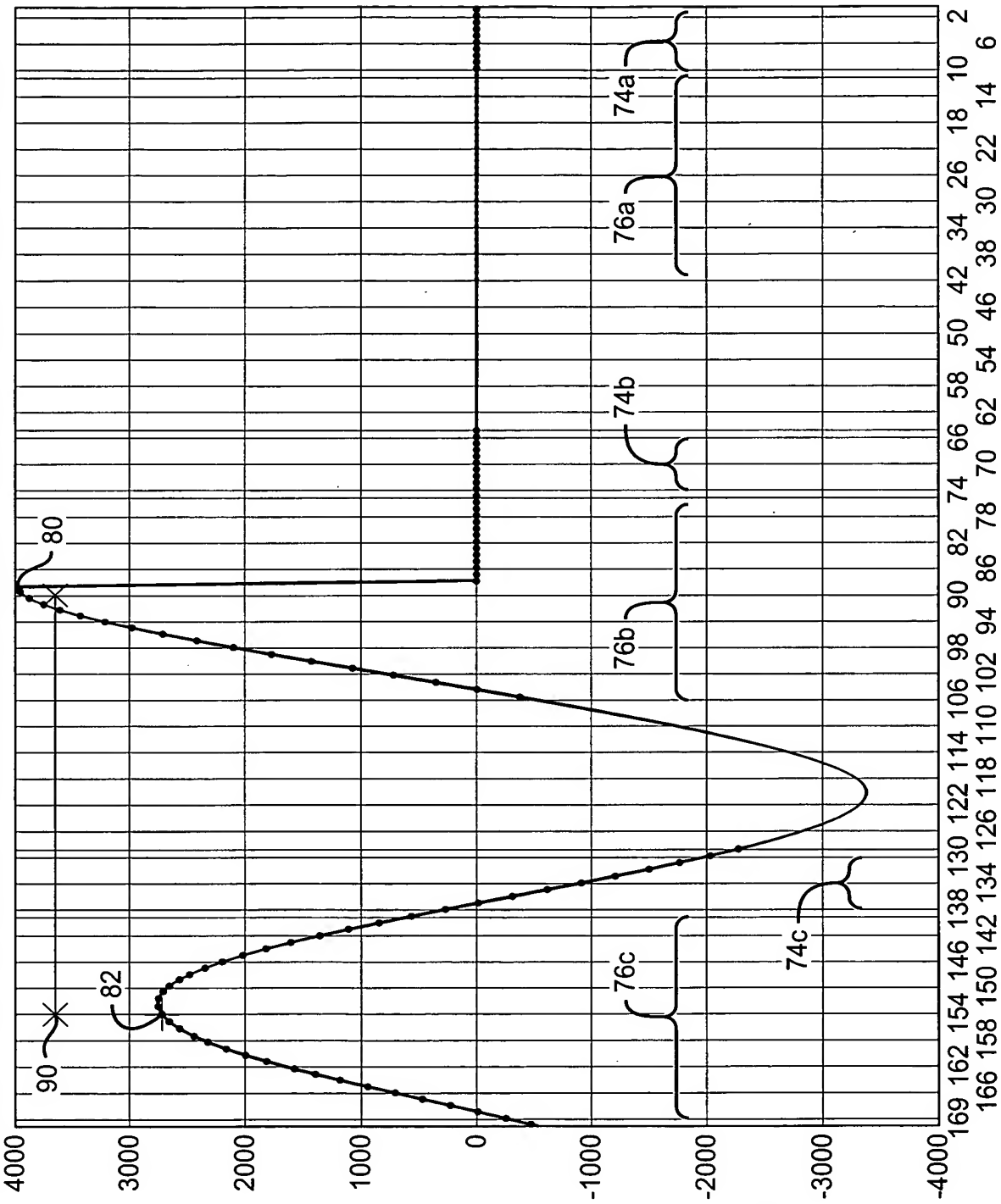


FIG. 24

DPM adjusted data = 3654 DPMFactor = 1.3603 DPM Status = Num (Prsnt) frozen from c switch  
DPM Num = 75211 DPM Den = 55291

Points Processed = 410 PtCntSwitch = 0 CasualSwitchLockedOut PastPoint = 2726 PresentPoint = 0 FuturePoint = 0

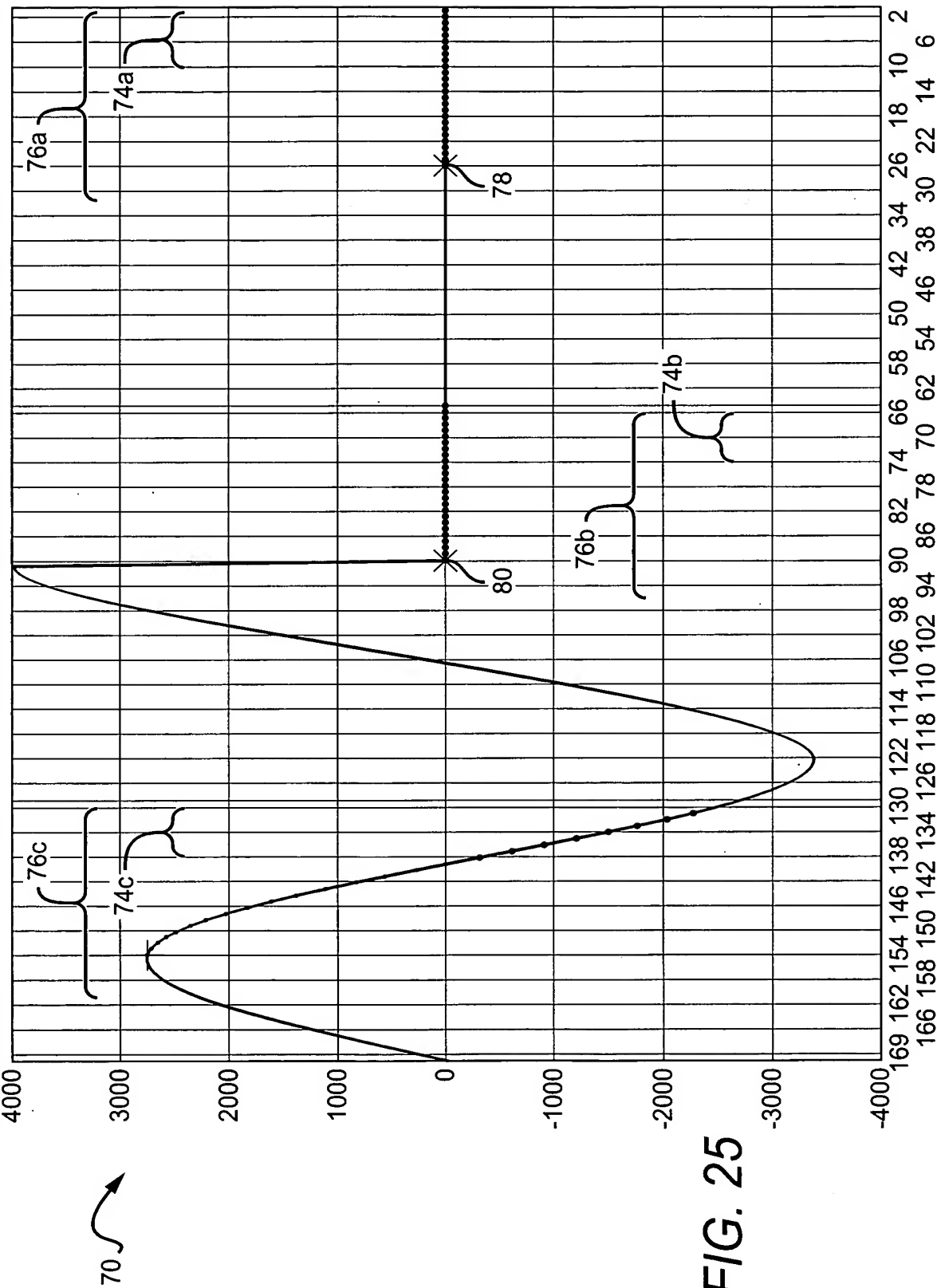
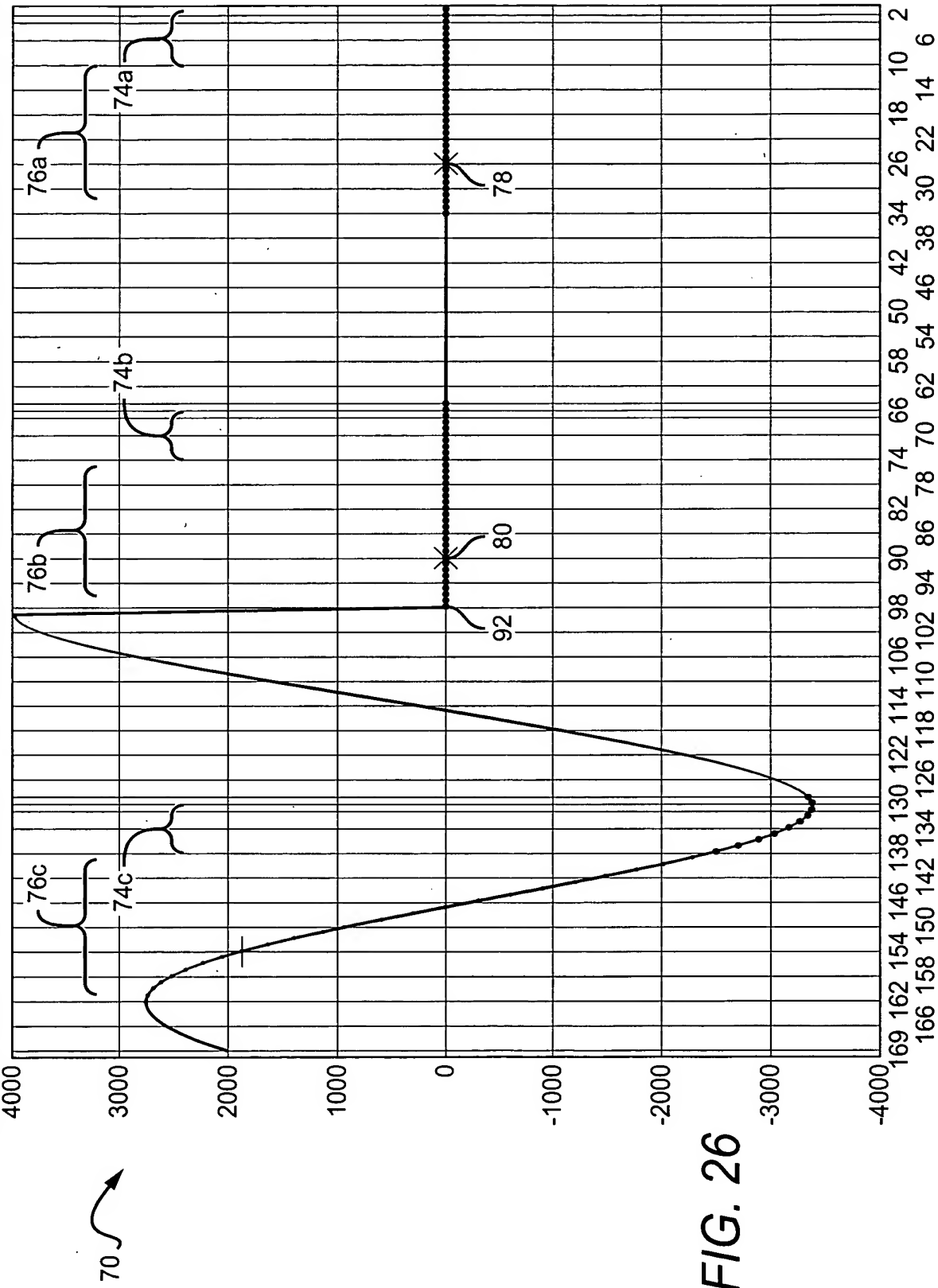


FIG. 25

DPM adjusted data = 0 DPMFactor = 1 DPM Status = DPM span & center adjustingDPM Inhibit Low Amp  
DPM Num = 0 DPM Den = 0

Points Processed = 418 PtCntSwitch = -8 CasualSwitchLockedOut PastPoint = 1839 PresentPoint = 0 FuturePoint = 0



DPM adjusted data = 0 DPMFactor = 1 DPM Status = DPM span & center adjustingDPM Inhibit Low Amp  
DPM Num = 0 DPM Den = 0

Points Processed = 438 PtCntSwitch = 17 CasualSwitchEnabled PastPoint = -3157 PresentPoint = 0 FuturePoint = 0

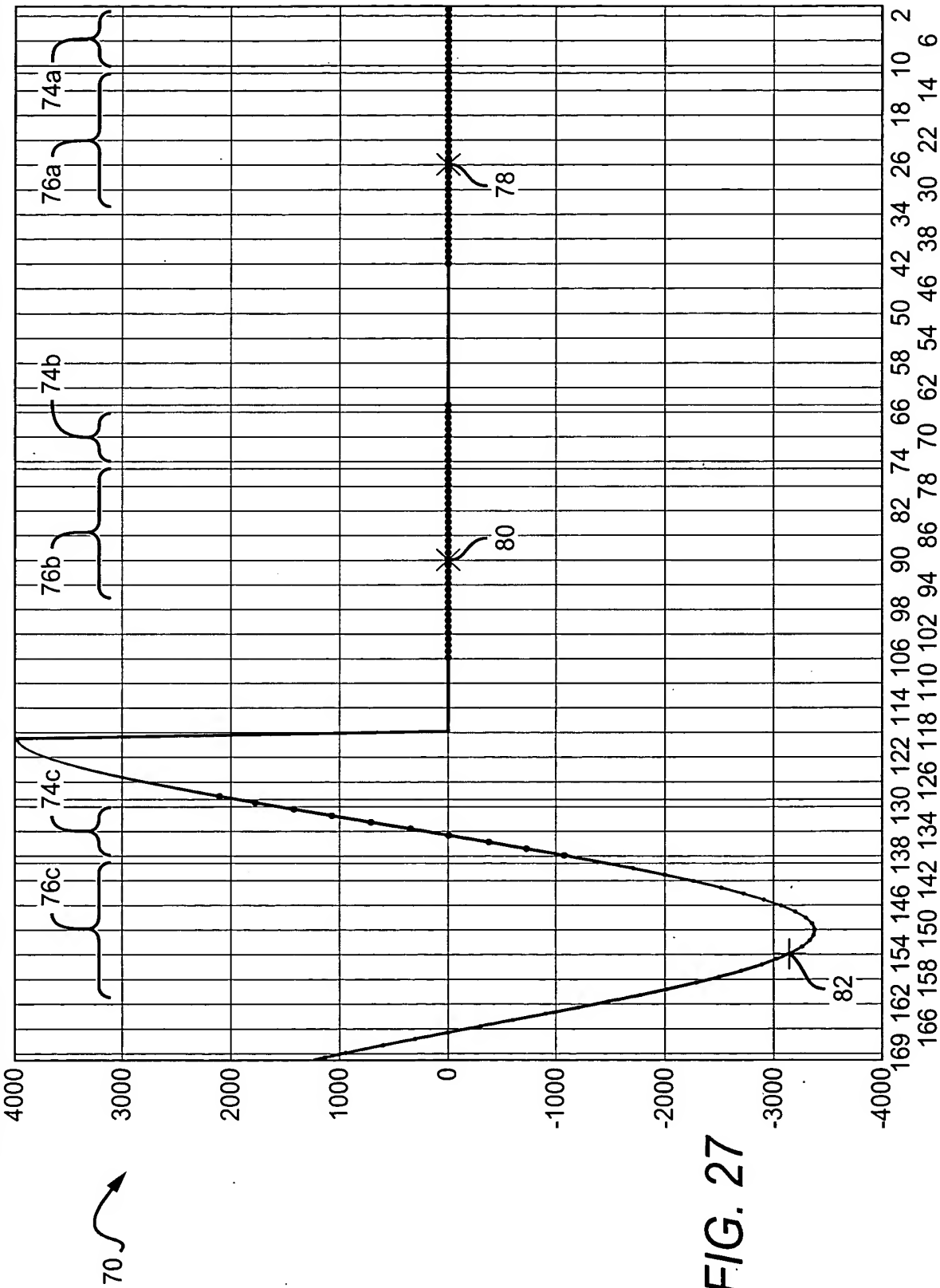
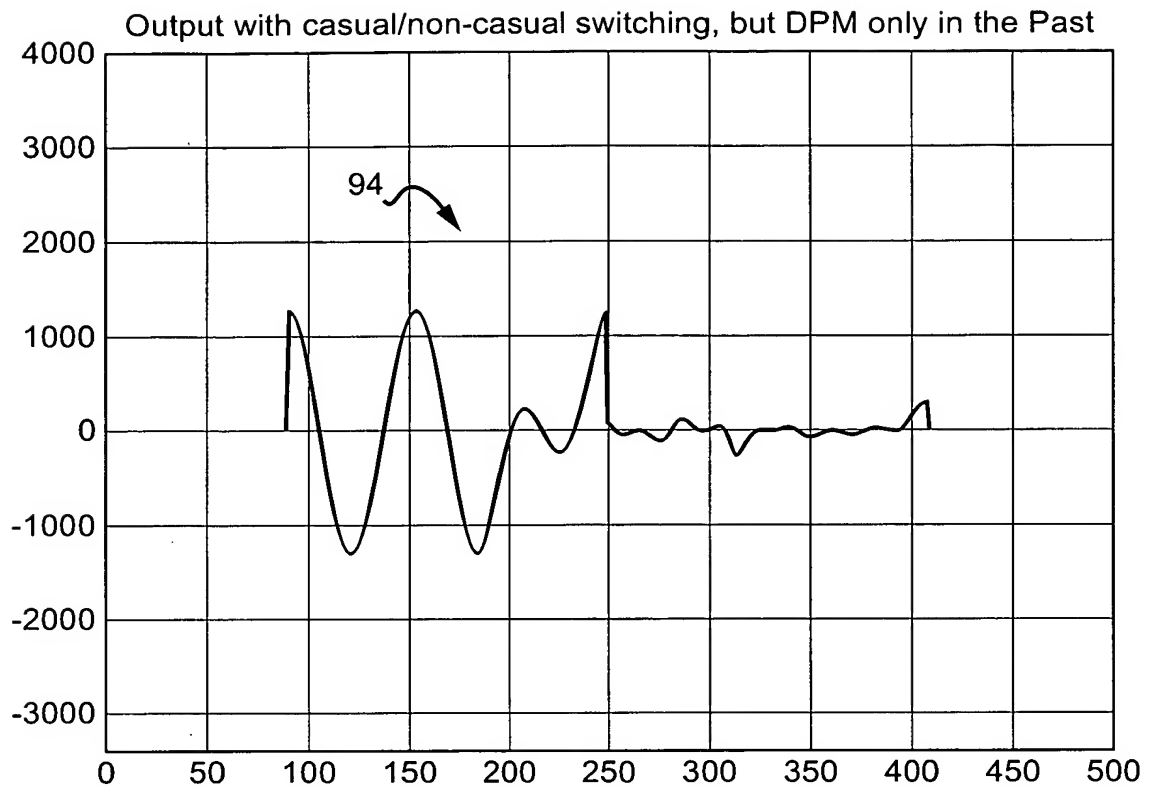


FIG. 27

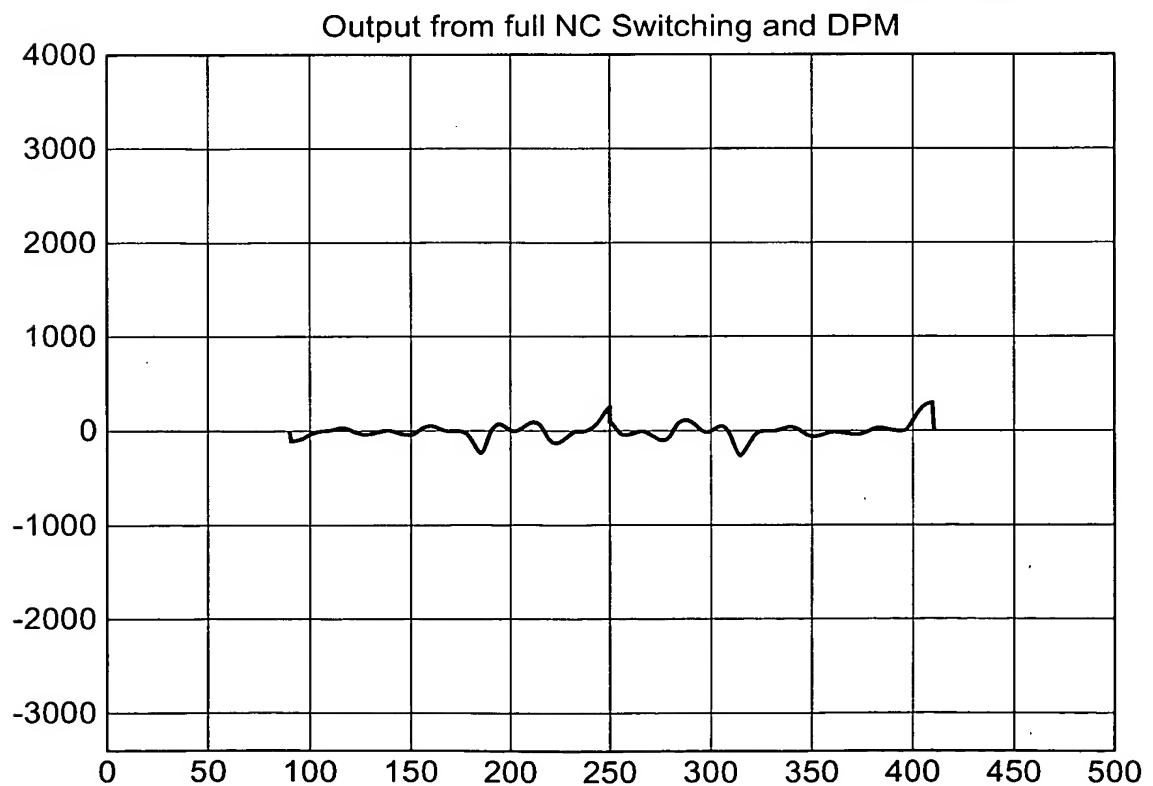
DPM adjusted data = 0 DPMFactor = 1 DPM Status = DPM Inhibit Low Amp DPM Num = 0 DPM Den = 0

24/25



**FIG. 28**

**FIG. 29**





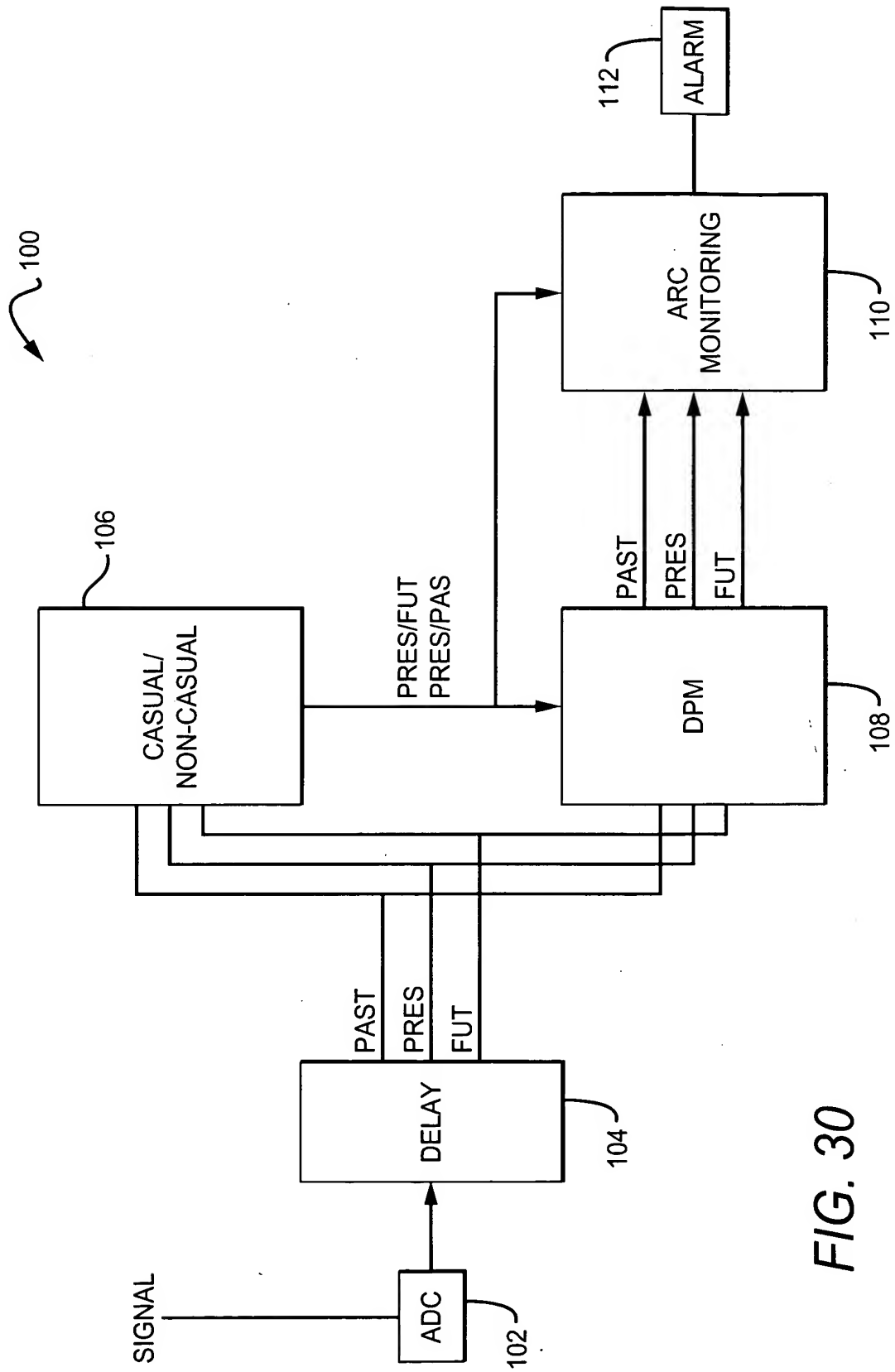


FIG. 30